PREETHI CAD CONSULTING ENGINEERS PVT. LTD.

PROJECT CONSULTANT

Tests onSoil Sample

TEST REPORT

oject Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.:	01
ient:	Executive Engineer, project division, yelahanka zone.	Date:	12/11/2020
ntractor:	M/s Ramkrishy Infrastructure Pvt Ltd		
mple Supplied :	Agency / Contractor		
mple entification :	Sub-Grade Soil.		

e testresults conducted on the Soilsample are as follows:

	Seive Analysis (% Passing)			Compaction test (IS Heavy)		CBR (%) (4 Days Soaked)	Remarks
	Test method IS 2720 (Part4):1985 (RA 2015)			Test Method IS 2720-(part8):1983(RA 2016)		Test Method as per IS 2720-Part 16-1979	
	Gravel (%) > 4.75mm	Sand (%) 4.75 to 0.075mm	Silt and Clay(%)< 0.075	MDD (g/cc)	OMC(%)	56 blows	
	11.4	62.6	26.6	1.88	8.3	9.5%	Satisfied Requirement

marks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

te:-

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PROJECT CONSULTANT

Teata onSoil Sample

TEST REPORT

oject Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 01	
ent:	Executive Engineer, project division, yelahanka zone.	Date:	15/10/2020
ntractor:	M/s Ramkrishy Infrastructure Pvt Ltd		
mple Supplied	Agency / Contractor		
mple ntification :	Sub-Grade Soil.		

e testresults conducted on the Soilsample are as follows:

Seive Analysis (% Passing)			Compaction test (IS Heavy)		CBR (%) (4 Days Soaked)	Remarks
Test method IS 2720 (Part4):1985 (RA 2015)			Test Method IS 2720-(part8):1988(RA 2016)		Test Method as per IS 2720-Part 16-1979	
Gravel (%) > 4.75mm	Sand (%) 4.75 to 0.075mm	Silt and Clay(%)< 0.075	MDD (g/cc)	OMC(%)	56 blows	
11.3	62.5	26.2	1.85	8.4	9.4%	Satisfied Requirement

narks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

e:-

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PROJECT CONSULTANT

Core Test on Kerb Stone [IS:516-1959 RA1999], SP-24:1983

TEST REPORT

Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 02	
	Executive Engineer, project division, yelahanka zone.		
ctor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date	03-01-2021
on:	At Site		
l :	Kerb Stone Core Test	Grade of Concrete	M-15

t results conducted on the Kerb Stone Core sample are as follows:

Height of the Core H (mm)	Core Wt (Kg)	Density of Core (kg/m3)	H/D	Correction Factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm2)	Correction Factor for the Dia (Strength of Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm2)	Equivalent cube Compressive Strength (N/mm2)
76.00	0.377	2526.05	1.5	0.944	28.2	14.36	15.51	14.64	18.30
77.00	0.363	2400.65	1.54	0.949	27.6	14.06	15.18	14.41	18.01
80.00	0.379	2412.48	1.6	0.959	27.9	14.21	15.35	14.72	18.40

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PROJECT CONSULTANT

Core Test on Kerb Stone [IS:516-1959 RA1999], SP-24:1983

TEST REPORT

Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 01	
	Executive Engineer, project division, yelahanka zone.	Date	03-01-2021
tor:	M/s Ramkrishy Infrastructure Pvt Ltd		
Location:	At Site	Grade of Concrete	M-15
Tested:	Kerb Stone Core Test		

results conducted on the Kerb Stone Core sample are as follows:

Height of the Core H (mm)	Core Wt (Kg)	Density of Core (kg/m3)	H/D	Correction Factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm2)	Correction Factor for the Dia (Strength of Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm2)	Equivalent cube Compressive Strength (N/mm2)
75.00	0.342	2322.09	1.50	0.96	25.8	13.14	14.19	13.62	17.03
77.00	0.358	2337.53	1.54	0.96	26.3	13.39	14.47	13.89	17.36
79.00	0.371	2385.30	1.58	0.96	27.6	14.06	15.18	14.57	18.22

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PROJECT CONSULTANT

Core Test on Kerb Stone
[IS:516-1959 RA1999]
SP-24:1983

TEST REPORT

ıe:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 02	
	Executive Engineer, project division, yelahanka zone.		
	M/s Ramkrishy Infrastructure Pvt Ltd	Date	03-01-2021
	At Site		
	Kerb Stone Core Test	Grade of Concrete	M-15

lts conducted on the Kerb Stone Core sample are as follows:

ight the ore H m)	Core Wt (Kg)	Density of Core (kg/m3)	H/D	Correction Factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm2)	Correction Factor for the Dia (Strength of Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm2)	Equivalent cube Compressive Strength (N/mm2)
.00	0.377	2526.05	1.51	0.944	28.1	14.36	15.52	14.64	18.31
.00	0.363	2400.65	1.53	0.949	27.5	14.06	15.17	14.41	18.04
.00	0.379	2412.48	1.595	0.959	27.8	14.21	15.34	14.72	18.52

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results relate only to the items tested.
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Core Test on Kerb Stone [IS:516-1959 RA1999], SP-24:1983

TEST REPORT

t Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 01	
	Executive Engineer, project division, yelahanka zone.		
ctor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date	27-11-2020
e Location:	At Site		
al Tested:	Kerb Stone Core Test	Grade of Concrete	M-15

st results conducted on the Kerb Stone Core sample are as follows:

)	Height of the Core H (mm)	Core Wt (Kg)	Density of Core (kg/m3)	H/D	Correction Factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm2)	Correction Factor for the Dia (Strength of Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm2)	Equivalent cube Compressive Strength (N/mm2)
	75.00	0.342	2322.09	1.50	0.96	25.8	13.14	14.19	13.62	17.03
	77.00	0.358	2337.53	1.54	0.96	26.3	13.39	14.47	13.89	17.36
	79.00	0.371	2385.30	1.58	0.96	27.6	14.06	15.18	14.57	18.22

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TEST REPORT

Core Test on Kerb Stone [IS:516-1959 RA1999], SP-24:1983

Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 02	
	Executive Engineer, project division, yelahanka zone.		
tor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date	27-11-2020
n:	At Site		
	Kerb Stone Core Test	Grade of Concrete	M-15

results conducted on the Kerb Stone Core sample are as follows:

Height of the Core H (mm)	Core Wt (Kg)	Density of Core (kg/m3)	H/D	Correction Factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm2)	Correction Factor for the Dia (Strength of Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm2)	Equivalent cube Compressive Strength (N/mm2)
76.00	0.377	2526.05	1.51	0.944	28.1	14.36	15.52	14.64	18.31
77.00	0.363	2400.65	1.53	0.949	27.5	14.06	15.17	14.41	18.04
80.00	0.379	2412.48	1.595	0.959	27.8	14.21	15.34	14.72	18.52

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PROJECT CONSULTANT

TEST REPORT

Tests on Aggregate [IS:2386:1963(RA 2016)]

ct Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	**Sl. No.: 05**	
t:	Executive Engineer, project division, yelahanka zone.	**Date:**	22/12/2020
actor:	M/s Ramkrishy Infrastructure Pvt Ltd		
le Supplied	Agency / Contractor		

estresults conducted on the aggregate sample are as follows:

Description	Test Method as per IS Standards	Test Result	Standard Requirements	Remarks
Flakiness index	IS 2386 (Part-1):1963(RA 2016)	19.40	Obtained Test Results Should Be 1% to 30%	
Elongation index	IS 2386(Part 1) :1963 (RA 2016)	9.89	Obtained Test Results Should be 1% to 30 %	
Specific Gravity	IS 2386 (Part 3): 1963 (RA 2016)	2.45	Obtained Test Results Should be 2 to 4	
Water Absorption	IS 2386 (Part-3) :1963 (RA 2016)	2.9%	Obtained Test Results should be 1% to 5%	
Aggregates Impact Value	IS 2386 (Part -4) :1963 (RA 2016)	39%	Obtained Test Results should be 1% to 60%	

rks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

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PROJECT CONSULTANT

Tests on Aggregate [IS:2386(1963(RA 2016)]

TEST REPORT

roject Name:	Package No:11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 05	
lient:	Executive Engineer, project division, yelahanka zone.	Date:	28/11/2020
ntractor:	M/s Ramkrishy Infrastruchure Pvt Ltd		
mple Supplied :	Agency / Contractor		

e testresults conducted on the aggregate sample are as follows:

Description	Test Method as per IS Standards	Test Result	Standard Requirements	Remarks
Flakiness index	IS 2386 (Part 1):1963(RA 2016)	19.36	Obtained Test Results Should Be 1% to 30%	
Elongation index	IS 2386(Part 1) :1963 (RA 2016)	9.90	Obtained Test Results Should be 1% to 30 %	
Specific Gravity	IS 2386 (Part 3): 1963 (RA 2016)	2.45	Obtained Test Results Should be 2 to 4	
Water Absorption	IS 2386 (Part-3) :1963 (RA 2016)	2.85%	Obtained Test Results should be 1% to 5%	
Aggregates Impact Value	IS 2386 (Part -4) :1963 (RA 2016)	40%	Obtained Test Results should be 1% to 60%	

emarks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

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PROJECT CONSULTANT

Gradation Test on Coarse Aggregate [IS:383-2016]

TEST REPORT

oject Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 04	
ent:	Executive Engineer, project division, yelahanka zone.		
ntractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date:	21/12/2020
mple Supplied	Agency / Contractor		
terial Tested:	40mm Coarse Aggregate	Total weight taken:	15000 gms

e test results conducted on the coarse aggregate sample are as follows:

. Sieve e (mm)	Wt. retained (g)	Cumulative wt. retained (g)	% Cumulative wt. retained	% Cumulative wt. passing	Specification as IS 383-2016
80	0	0	0	100	100
40	339	339	2.26	97.74	95 to 100
20	8560	8899	59.33	40.67	30 to 70
0mm	3432	12321	82.14	17.86	10 to 35
4.75	2149	14479	96.53	3.47	0 to 5
Pan	520	15000	100.00	0.00	-
Total	**15000**				-

marks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

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PROJECT CONSULTANT

Gradation Test on Coarse Aggregate

[IS:383-2016]

TEST REPORT

Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 04	
	Executive Engineer, project division, yelahanka zone.		
ctor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date:	21/12/2020
e Supplied	Agency / Contractor		
al Tested:	40mm Coarse Aggregate	Total weight taken:	15000 gms

st results conducted on the coarse aggregate sample are as follows:

eve nm)	Wt. retained (g)	Cumulative wt. retained (g)	% Cumulative wt. retained	% Cumulative wt. passing	Specification as IS 383-2016
	0	0	0	100	100
	339	339	2.26	97.74	95 to 100
	8560	8899	59.33	40.67	30 to 70
m	3432	12321	82.14	17.86	10 to 35
5	2149	14479	96.53	3.47	0 to 5
n	520	15000	100.00	0.00	-
al	15000				-

rks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

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PROJECT CONSULTANT

Gradation Test on Coarse Aggregate [IS:383-2016]

TEST REPORT

ct Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	**Sl. No.: 04**	
t:	Executive Engineer, project division, yelahanka zone.	**Date:**	27/11/2020
ractor:	M/s Ramkrishy Infrastructure Pvt Ltd		
ole Supplied	Agency / Contractor	**Total weight taken:**	15000 gms
rial Tested:	40mm Coarse Aggregate		

test results conducted on the coarse aggregate sample are as follows:

Sieve (mm)	**Wt. retained (g)**	**Cumulative wt. retained (g)**	**% Cumulative wt. retained**	**% Cumulative wt. passing**	**Specification as IS 383-2016**
80	0	0	0	100	100
40	339	339	2.26	97.74	95 to 100
20	8560	8899	59.33	40.67	30 to 70
mm	3422	12321	82.14	17.86	10 to 35
75	2158	14479	96.53	3.47	0 to 5
an	521	15000	100.00	0.00	-
otal	**15000**				-

arks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

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PROJECT CONSULTANT

Specific Gravity of Fine Aggregates

IS:2386(PART3):1963(RA 2016)

TEST REPORT

ject Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 03	
nt:	Executive Engineer, project division, yelahanka zone.		
ntractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date:	20/12/2020
mple Supplied	Agency / Contractor		
terial Tested:	Fine Aggregate		

test results conducted on the fine aggregate sample are as follows:

l no	Description	Sample weight	Test Method As Per IS 2386(Part 3):1963(RA 2016)
1	Weight of Saturated dry sample (C),gm	500	Standard Requirements (2 to 4)
2	Weight of Pycnometer +Saturated dry sample + Water (A),gm	1853	

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Weight of Pycnometer +Water (B),gm	1526	
Weight of Oven Dry Sample (D), gm	486	
Specific Gravity ,G	2.81	
Apparent Specific Gravity	3.06	
Water Absorption	2.88%	Standard Requirements (0.1% to 5%)

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Specific Gravity of Fine Aggregates

TEST REPORT

IS:2386(PART3):1963(RA 2016)

ct Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 03	
t:	Executive Engineer, project division, yelahanka zone.		
ractor:	M/s Ramkrishy Infrastructure Pvt Ld	Date:	26/11/2020
ole Supplied	Agency / Contractor		
rial Tested:	Fine Aggregate		

est results conducted on the fine aggregate sample are as follows:

no	Description	Sample weight	Test Method As Per IS 2386(Part 3):1963(RA 2016)
	Weight of Saturated dry sample (C),gm	500	Standard Requirements (2 to 4)
	Weight of Pycnometer +Saturated dry sample + Water (A),gm	1853	

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3	Weight of Pycnometer +Water (B).gm	1526	
4	Weight of Oven Dry Sample (D), gm	486	
I	Specific Gravity ,G	2.81	
II	Apparent Specific Gravity	3.06	
III	Water Absorption	2.86%	Standard Requirements (0.1% to 5%)

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Gradation Test on Fine Aggregate [IS:383-2016]

TEST REPORT

ect Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 02	
nt:	Executive Engineer, project division, yelahanka zone.		
tractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date	18/12/2020
ıple Supplied	Agency / Contractor		
erial Tested:	Fine Aggregate	Total weight taken:	1500 gms

test results conducted on the fine aggregate sample are as follows:

S. Sieve size (mm)	Wt. retained (g)	Cumulative wt. retained (g)	% Cumulative wt. retained	% Cumulative wt. passing	Specification as IS 383-2016
10	0	0	0	100	100
4.75	75	75	5.00	95.00	90 to 100
2.36	134	209	13.93	86.07	75 to 100
1.18	324	533	35.53	64.47	55 to 90
600 Micron	350	883	58.87	41.13	35 to 59
300 Micron	329	1212	80.80	19.20	8 to 30
150 Micron	267	1479	98.60	1.40	0 to 10
Pan	21	1500	100	0.00	0

narks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

e:-

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Gradation Test on Fine Aggregate

[IS:383-2016]

TEST REPORT

ct Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	Sl. No.: 02	
t:	Executive Engineer, project division, yelahanka zone.		
ractor:	M/s Ramkrishy Infrastructure Pvt Ltd	Date	24/11/2020
ple Supplied	Agency / Contractor		
rial Tested:	Fine Aggregate	Total weight taken:	1500 gms

test results conducted on the fine aggregate sample are as follows:

S. Sieve size (mm)	Wt. retained (g)	Cumulative wt. retained (g)	% Cumulative wt. retained	% Cumulative wt. passing	Specification as IS 383-2016
10	0	0	0	100	100
4.75	75	75	5.00	95.00	90 to 100
2.36	134	209	13.93	86.07	75 to 100
1.18	324	533	35.53	64.47	55 to 90
600 Micron	350	883	58.87	41.13	35 to 59
300 Micron	329	1212	80.80	19.20	8 to 30
150 Micron	267	1479	98.60	1.40	0 to 10
Pan	21	1500	100	0.00	0

narks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

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Tests on Cement
[IS:4031 – Part 1 to 5]

TEST REPORT

ct Name:	Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division	**Sl. No.: 01**	
nt:	Executive Engineer, project division, yelahanka zone.		
tractor:	M/s Ramkrishy Infrastructure Pvt Ltd	**Date:**	18/12/2020
ple plied by:	Agency / Contractor		

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e test results conducted on the cement sample are as follows:

	Description	Test Method as per IS Standards	Test Result	Standard Requirements	Remarks
	Fineness of Cement	IS 4031 (Part-1)	3.1%	Obtained Test Results Should Be Less Than 10%	OPC
	Initial Setting Time	IS 4031 (Part-5)	126Minutes	Obtained Test Results Should not be less than 30 minutes	
	Final Setting Time	IS 4031 (Part-5)	343Minutes	Obtained Test Results Should not be more than 600 minutes	
	Soundness	IS 4031 (Part-3) by Le-Chatelier method	3.3 mm	Not more than 10mm	
	Standard Consistency	IS-4031 (Part-4)	28%	Obtained Test results Should be 20% to 30%	

marks: Information / Sample furnished by the Agency / Contractor to the testing laboratory.

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